

Delaware River Flow and Storage Data- February 19, 2019



DAY	Delaware at Montague		Lehigh River		Delaware at Trenton		Schuylkill River		Salt Front River Mile	New York City Delaware River Basin Storage	
	Flow (cfs)		Flow (cfs)		Flow (cfs)		Flow (cfs)			(BG)*	Capacity
	8:00 AM	Mean	Lehighton	Bethlehem	8:00 AM	Mean	Pottstown	Philadelphia			
2/1/2019	10,100	9,640	1,490	3,000	21,000	25,200	Ice	3,820	<54	262.1	98.0%
2/2/2019	9,350	8,440	1,480	2,840	68,300	57,600	Ice	3,830	56	261.2	97.7%
2/3/2019	7,120	7,570	1,440	3,220	27,500	26,800	Ice	4,070	58	260.4	97.4%
2/4/2019	7,120	7,500	1,460	3,250	20,100	20,500	2,710	4,050	60	259.7	97.1%
2/5/2019	7,180	7,700	1,670	3,550	17,000	17,300	2,740	4,040	62	259.2	96.9%
2/6/2019	9,180	10,200	1,740	3,650	17,100	17,500	2,820	4,230	63	259.5	97.0%
2/7/2019	11,100	12,500	2,000	4,140	20,300	21,600	3,420	5,510	64	260.2	97.3%
2/8/2019	15,000	18,800	2,510	4,890	23,700	25,300	3,770	5,450	64	262.6	98.2%
2/9/2019	25,800	24,200	2,330	4,780	30,600	32,800	3,960	5,910	63	266.5	99.6%
2/10/2019	18,000	17,400	2,150	4,220	34,900	33,200	3,490	4,900	63	267.7	100.1%
2/11/2019	14,700	14,600	2,040	4,070	27,100	26,500	3,320	4,550	62	268.1	100.3%
2/12/2019	13,800	13,600	1,680	3,750	23,800	23,700	3,300	4,780	61	268.2	100.3%
2/13/2019	12,400	12,300	1,640	3,670	23,600	23,100	3,660	6,680	61	268.3	100.3%
2/14/2019	11,500	11,300	1,460	3,340	21,700	21,500	3,240	6,330	60	268.0	100.2%
2/15/2019	10,300	10,300	1,410	3,150	20,300	20,200	3,120	5,470	59	267.7	100.1%
2/16/2019	9,840	9,660	1,320	3,310	20,100	20,000	3,310	6,370	60	267.3	100.0%
2/17/2019	7,880	7,910	1,290	3,020	18,700	18,400	3,050	5,050	61	266.9	99.8%
2/18/2019	7,180	8,060	1,400	3,160	16,100	16,300	2,980	4,700	62	266.4	99.6%
2/19/2019	7,880				15,700					265.6	99.3%
2/20/2019											
2/21/2019											
2/22/2019											
2/23/2019											
2/24/2019											
2/25/2019											
2/26/2019											
2/27/2019											
2/28/2019											

Observed Average	11,760	1,695	3,612		24,861	3,259	4,986	71		
Mean Monthly	5,058	1,035	2,734		11,740	2,255	3,859			
% of Normal	232.5%	163.8%	132.1%		211.8%	144.6%	129.2%			

TODAY'S RESERVOIR OBSERVATIONS: **2/19/2019**

Lower Delaware Basin**:		New York City 24-hr, as of 8 am:					NYC Daily Storage (BG)=	265.6	99.3%		
Vol. (BG)	Capacity	7-Day Precip	Usable	Storage	Draft	Directed Release	NYC Daily Storage Median (BG)=	224.6	84.0%		
Blue Marsh	4.67	105.4%					BG Above Daily Storage Median =	41.0	18.27%		
Beltzville	13.53	100.3%	(inches)	(BG)	(%)	(MG)	BG Above Drought Watch =	113.2			
Directed Releases from Basin Reservoirs (cfs):		Neversink	0.75	34.8	100.2%	0	BG Above Drought Warning =	133.2			
Blue Marsh	0	Merrill Creek	0	Pepacton	0.56	138.8	99.6%	298	0	BG Above Drought =	153.2
Beltzville	0	Wallenpaupack	0	Cannonsville	0.52	92.1	98.6%	0	0	BG Above One Year Ago =	33.4

* As of June 1, 2018, the NYC Delaware reservoir statistics have been changed to reflect the 2016 USGS bathymetry tables.

**Percent capacity in Blue Marsh Reservoir is based upon the normal WINTER POOL storage of 4.43 BG. Percent capacity for Beltzville Reservoir is based upon the year-round, normal pool storage of 13.49 BG. Directed Release from NYC Reservoirs is the amount of water needed to meet the Montague Flow Objective.

DATA SOURCES:
 Storage data provided by New York City Department of Environmental Protection, Bureau of Water Supply. http://www.nyc.gov/html/dep/html/drinking_water/maplevels_wide.shtml
 Flow data provided by U.S. Geological Survey <http://waterdata.usgs.gov/nwis/rt>
 Chloride data for the salt front calculation provided by U.S. Geological Survey and Kimberly Clark Corporation.
 Lower Basin reservoir storage data provided by Philadelphia District Corps of Engineers. See basin summaries at <http://www.nap-wc.usace.army.mil/nap/>
 ALL DATA ARE PROVISIONAL

NOTES:
 The Salt Front is the estimated location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).
 Releases from F.E. Walter are requested from the U.S. Army Corps of Engineers and are made from the reservoir's temporary drought storage.
 Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.
 Lower Basin reservoir percentages are a percent of allocated storage, not total storage. More than 19.3 billion gallons of flood control is available in Beltzville and Blue Marsh reservoirs.
 cfs=Cubic Feet per Second; DO= Dissolved Oxygen; MG= Million Gallons; BG=Billion Gallons

1. During cold weather, ice effects on stage and discharge determinations at some stream-gaging stations are likely. Flow values reported on this report may be significantly higher or lower than actual streamflow. Revisions will be made as needed when adjusted data becomes available.
2. The location of the salt front is estimated. The salt front river mile location will be updated as chloride data is received. DRBC does not track the salt front below river mile 54. The normal location of the salt front represents the median monthly calculated value based upon values from 1/1998 through 2/28/2013.
3. Normal flow values represent the median of monthly means for the period of record after construction completion of major reservoirs regulating their flow (NYC Reservoirs: Montague 1956-2011; FE Walter and Beltzville: Bethlehem and Trenton 1971-2011, Lehighton 1983-2011; Blue Marsh: Pottstown and Philadelphia 1980-2011).
4. Minimum dissolved oxygen for the Lehigh River at Glendon and the maximum temperature at the Schuylkill River at Vincent Dam will be reported for the period June through September.
5. NYC Storage Median based on beginning of month values reported to the Delaware River Master from June 1967 - May 2013.
6. Drought Watch, Warning and Drought are defined by Figure 1 of Article 2 in the Delaware River Basin Water Code 18 CFR Part 410.